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TITLE : LAMINATED SHEET AND ITS MANUFACTURE

ABSTRACT : PURPOSE: To reduce a thermal expansion coefficient of a thickness direction, by dispersing a filler within fluoro-resin of a matrix of a laminated sheet.

CONSTITUTION: To obtain a laminated of a prepreg comprised by impregnating glass cloth with a resin into which a filler is dispersed, and baking the same. Adhesive films are laminated on both sides of the laminate and a metallic foil is laminated on both the sides or one side of the laminate further. It is desirable that the resin is fluoro-resin and it is preferable that the adhesive film also is the fluoro-resin. It is preferable that potassium titanate whisker is used for the filler. When the potassium titanate whisker is dispersed into a fluoro-resin dispersion, infiltrated into glass cloth, and baked to effect laminated molding, the whisker oriented in a thickness direction reduces a thermal expansion coefficient of the thickness direction. Since the specific dielectric constant of the potassium titanate whisker is lower than that of the glass cloth, even if filling is performed, the specific inductive capacity does not becomes high.

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